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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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10/772,658

02/05/2004

Yigang Cai

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5579

40984

7590

03/07/2007

WERNER ULRICH

434 MAPLE STREET

GLEN ELLYN, IL 60137-3826

EXAMINER

MILLER, BRANDON J

ART UNIT

PAPER NUMBER

2617

| SHORTENED STATUTORY PERIOD OF RESPONSE | MAIL DATE | DELIVERY MODE |
|--|-----------|---------------|
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3 MONTHS

03/07/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

| | | | |
|------------------------------|--------------------------------------|------------------------------------|--|
| Office Action Summary | Application No. 10/772,658 | Applicant(s) CAI, YIGANG | |
| | Examiner Brandon J. Miller | Art Unit 2617 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 January 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 01/16/2007 has been entered.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gellens (US 2004/0176072 A1) in view of Sollee et al. (US 6,393,288 B1).

Regarding claim 1 Gellens teaches a method of screening a Short Message Service (SMS) or Multimedia Message (MMS) call in an SMS or MMS center (see abstract and paragraphs [0008] & [0056]). Gellens teaches responsive to receipt of an SMS or MMS call, determining whether a calling party of the call may attempt to complete the call (see paragraph [0037] & [0038]). Gellens teaches responsive to determining that the calling party may attempt to complete the call, determining in a SMS or MMS center for serving a called party of a call whether a called party of the call is willing to accept calls from the calling party (see paragraph

Art Unit: 2617

[0045] and Fig. 6). Gellens teaches determining whether the called party has allowed calls having characteristics of the call to be completed to the called party (see paragraph [0046]). Gellens teaches wherein the step of determining whether the called party is willing to accept calls from the calling party comprises the step of determining whether the called party has screened calls from the calling party (see paragraph [0045] and Fig. 6). Gellens does not specifically teach in a SMS or MMS center for serving a calling party of a call determining whether the calling party may attempt to complete the call. Gellens does teach a SMS or MMS center for serving calls (see paragraph (see abstract and FIG. 10). Sollee teaches responsive to receiving to receipt of a call in a switching center for serving a calling party of the call, determining whether the calling party may attempt to complete the call (see col. 4, lines 25-32 & 55-62). It would have been obvious to one of ordinary skill in the art at the time the invention was made to make the device adapt to include in a SMS or MMS center for serving a calling party of a call determining whether the calling party may attempt to complete the call because both references teach determining whether a call can be delivered to an appropriate party and the combination allows for improved handling of electronic messages with respect to delivery of messages in accordance with user preference.

Regarding claim 13 Gellens teaches an apparatus for screening a Short Message Service (SMS) or Multimedia Message (MMS) call in an SMS or MMS center (see abstract and paragraphs [0008] & [0056]). Gellens teaches responsive to receipt of an SMS or MMS call, determining whether a calling party of the call may attempt to complete the call (see paragraph [0037] & [0038]). Gellens teaches responsive to determining that the calling party may attempt to complete the call, comprising a SMS or MMS center for serving a called party of the call,

Art Unit: 2617

determining whether a called party of the call is willing to accept calls from the calling party (see paragraph [0045] and Fig. 6). Gellens teaches determining whether the called party has allowed calls having characteristics of the call to be completed to the called party (see paragraph [0046]). Gellens teaches wherein the step of determining whether the called party is willing to accept calls from the calling party comprises the step of determining whether the called party has screened calls from the calling party (see paragraph [0045] and Fig. 6). Gellens does not specifically teach in a SMS or MMS center for serving a calling party of a call determining whether the calling party may attempt to complete the call. Gellens does teach a SMS or MMS center for serving calls (see paragraph (see abstract and FIG. 10). Sollee teaches responsive to receiving to receipt of a call in a switching center for serving a calling party of the call, determining whether the calling party may attempt to complete the call (see col. 4, lines 25-32 & 55-62). It would have been obvious to one of ordinary skill in the art at the time the invention was made to make the device adapt to include in a SMS or MMS center for serving a calling party of a call determining whether the calling party may attempt to complete the call because both references teach determining whether a call can be delivered to an appropriate party and the combination allows for improved handling of electronic messages with respect to delivery of messages in accordance with user preference.

Claims 2-3 and 14-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gellens (US 2004/0176072 A1) in view of Sollee et al. (US 6,393,288 B1) and Cast et al. (US 6,975,876 B1).

Regarding claim 2 Gellens and Sollee teach a device as recited in claim 1 except for determining the number of destinations which the calling party is attempting to reach; and

Art Unit: 2617

rejecting the call if the number exceeds a limit defined by a class of service of the calling party. Cast teaches determining the number of destinations which the calling party is attempting to reach; and rejecting the call if the number exceeds a limit defined by a class of service of the calling party (see abstract, col. 40, lines 52-61 and col. 42, lines 3-6). It would have been obvious to one of ordinary skill in the art at the time the invention was made to make the device adapt to include determining the number of destinations which the calling party is attempting to reach; and rejecting the call if the number exceeds a limit defined by a class of service of the calling party because this would allow for an improved method of handling electronic messages with respect to filtering and delivery of messages in accordance with user preferences.

Regarding claim 3 Gellens, Sollee, and Cast teach a device as recited in claim 2 and is rejected given the same reasoning as above.

Regarding claim 14 Gellens, Sollee, and Cast teach a device as recited in claim 2 and is rejected given the same reasoning as above.

Regarding claim 15 Gellens, Sollee, and Cast teach a device as recited in claim 2 and is rejected given the same reasoning as above.

Claims 4-5 and 16-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gellens (US 2004/0176072 A1) in view of Sollee et al. (US 6,393,288 B1) and Molnar et al. (US 2002/0168978 A1).

Regarding claim 4 Gellen and Sollee teach a device as recited in claim 1 except for testing for geographic allowability of a call to the called party in accordance with a class of service of the calling party. Molnar teaches testing for geographic allowability of a call to the called party in accordance with a class of service of the calling party (see paragraphs [0034] &

[0035]). It would have been obvious to one of ordinary skill in the art at the time the invention was made to make the device adapt to include testing for geographic allowability of a call to the called party in accordance with a class of service of the calling party because this would allow for an improved method of handling electronic messages with respect to filtering and delivery of messages in accordance with user preferences.

Regarding claim 5 Gellens and Sollee teach a device as recited in claim 1 except for testing whether the calling party may complete SMS or MMS calls to a roamer; and if the calling party may not complete SMS or MMS calls to a roamer, determining whether the called party is a roamer and blocking the call if the called party is a roamer. Sollee does teach responsive to receiving to receipt of a call in a switching center for serving a calling party of the call, determining whether the calling party may attempt to complete the call (see col. 4, lines 25-32 & 55-62). Molnar teaches testing whether the calling party may complete SMS or MMS calls to a roamer (see paragraph [0032]). Molnar teaches and if the calling party may not complete SMS or MMS calls to a roamer, determining whether the called party is a roamer and blocking the call if the called party is a roamer (see paragraphs [0032], [0034] & [0035]). It would have been obvious to one of ordinary skill in the art at the time the invention was made to make the device adapt to include testing whether the calling party may complete SMS or MMS calls to a roamer; and if the calling party may not complete SMS or MMS calls to a roamer, determining whether the called party is a roamer and blocking the call if the called party is a roamer because this would allow for an improved method of handling electronic messages with respect to filtering and delivery of messages in accordance with user preferences.

Art Unit: 2617

Regarding claim 16 Gellens, Sollee and Molnar teach a device as recited in claim 4 and is rejected given the same reasoning as above.

Regarding claim 17 Gellens, Sollee, and Molnar teach a device as recited in claim 5 and is rejected given the same reasoning as above.

Claims 6, 8 and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gellens (US 2004/0176072 A1) in view of Sollee et al. (US 6,393,288 B1) and Allison et al. (US 6,819,932 B2).

Regarding claim 6 Gellens and Sollee teach a device as recited in claim 1 except for testing whether the destination number of the called party is in a list of numbers to which the calling party may not complete SMS or MMS calls. Allison teaches testing whether the destination number of the called party is in a list of numbers to which the calling party may not complete SMS or MMS calls (see abstract, col. 8, lines 45-67 and col. 9, lines 1-10). It would have been obvious to one of ordinary skill in the art at the time the invention was made to make the device adapt to include testing whether the destination number of the called party is in a list of numbers to which the calling party may not complete SMS or MMS calls because this would allow for an improved method of handling electronic messages with respect to filtering and delivery of messages in accordance with user preferences.

Regarding claim 8 Allison teaches testing whether the keyword, subject, title, or URL of a web page of the SMS or MMS call is on a list of call types which the called party does not wish to receive (see abstract, col. 8, lines 45-67 and col. 9, lines 1-10).

Regarding claim 18 Gellens, Sollee, and Allison teach a device as recited in claim 8 and is rejected given the same reasoning as above.

Claims 7, 9-12 and 19-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gellens (US 2004/0176072 A1) in view of Sollee et al. (US 6,393,288 B1) Kim et al. (US 2005/0020289 A1).

Regarding claim 7 Gellens and Sollee teach a device as recited in claim 1 except for testing whether the calling party may originate a service type of the call. Kim teaches testing whether a calling party may originate a service type of the call (see paragraph [0019]). It would have been obvious to one of ordinary skill in the art at the time the invention was made to make the device adapt to include testing whether the calling party may originate a service type of the call because this would allow for an improved method of handling electronic messages with respect to filtering and delivery of messages in accordance with user preferences.

Regarding claim 9 Gellens, Sollee and Kim teach a device as recited in claim 7 and is rejected given the same reasoning as above.

Regarding claim 10 Kim teaches testing whether a content classification of the call is one in which the called party is willing to accept (see paragraph [0019]).

Regarding claim 11 Gellen and Sollee teach a device as recited in claim 1 except for determining whether the call identifies a merchant from which the called party does not wish to receive SMS or MMS calls. Kim teaches allowing a user to register an unsolicited phone number or word that would be used to determine which messages would be deleted (see paragraph [0025]). It would have been obvious to one of ordinary skill in the art at the time the invention was made to make the device adapt to include determining whether the call identifies a merchant from which the called party does not wish to receive SMS or MMS calls because a merchant can be identified by a phone number or word and this would allow for an improved

Art Unit: 2617

method of handling electronic messages with respect to filtering and delivery of messages in accordance with user preferences.

Regarding claim 12 Gellen and Sollee teach a device as recited in claim 1 except for testing whether a language of the call is one in which the called party is willing to accept. Kim teaches allowing a user to register words that would be used to determine which messages would be blocked or accepted (see paragraphs [0019] & [0025]). It would have been obvious to one of ordinary skill in the art at the time the invention was made to make the device adapt to include testing whether a language of the call is one in which the called party is willing to accept because a specific language can be identified by words and this would allow for an improved method of handling electronic messages with respect to filtering and delivery of messages in accordance with user preferences.

Regarding claim 19 Gellens, Sollee, and Kim teach a device as recited in claim 11 and is rejected given the same reasoning as above.

Regarding claim 20 Gellens, Sollee, and Kim teaches a device as recited in claim 12 and is rejected given the same reasoning as above.

Response to Arguments

Applicant's arguments with respect to claims 1-20 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Art Unit: 2617

Chen et al. Patent No.: US 6,496,578 B1 discloses integrated telecommunications services for mobile and landline telephony service subscriber.

Elkarat et al. Pub. No.: US 2005/0250493 A1 discloses a terminated call control for roaming cellular telephony.

Britt et al. Patent No.: US 6,424,832 B1 discloses a method of supporting functionality for roamer port calls in a radio telecommunications network in which number portability is implemented.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brandon J. Miller whose telephone number is 571-272-7869. The examiner can normally be reached on Mon.-Fri. 8:00 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, George Eng can be reached on 571-272-7495. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

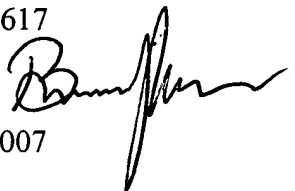

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Application/Control Number: 10/772,658

Page 11

Art Unit: 2617

March 5, 2007

A handwritten signature in black ink, appearing to be "Bumf..." with a stylized flourish at the end.A handwritten signature in black ink, appearing to be "George Eng" with a stylized flourish at the end.

GEORGE ENG
SUPERVISORY PATENT EXAMINER